

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005445.D
 Acq On : 17 Sep 2018 20:08
 Operator : SY/AP
 Sample : J4941-01
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47199RT

Quant Time: Sep 18 01:04:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	253013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	405827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	126118	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98193	37.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.78%	
35) Dibromofluoromethane	7.89	113	78385	34.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.90%	
50) Toluene-d8	10.33	98	293086	28.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.26%	
62) 4-Bromofluorobenzene	12.62	95	98533	25.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.58%	

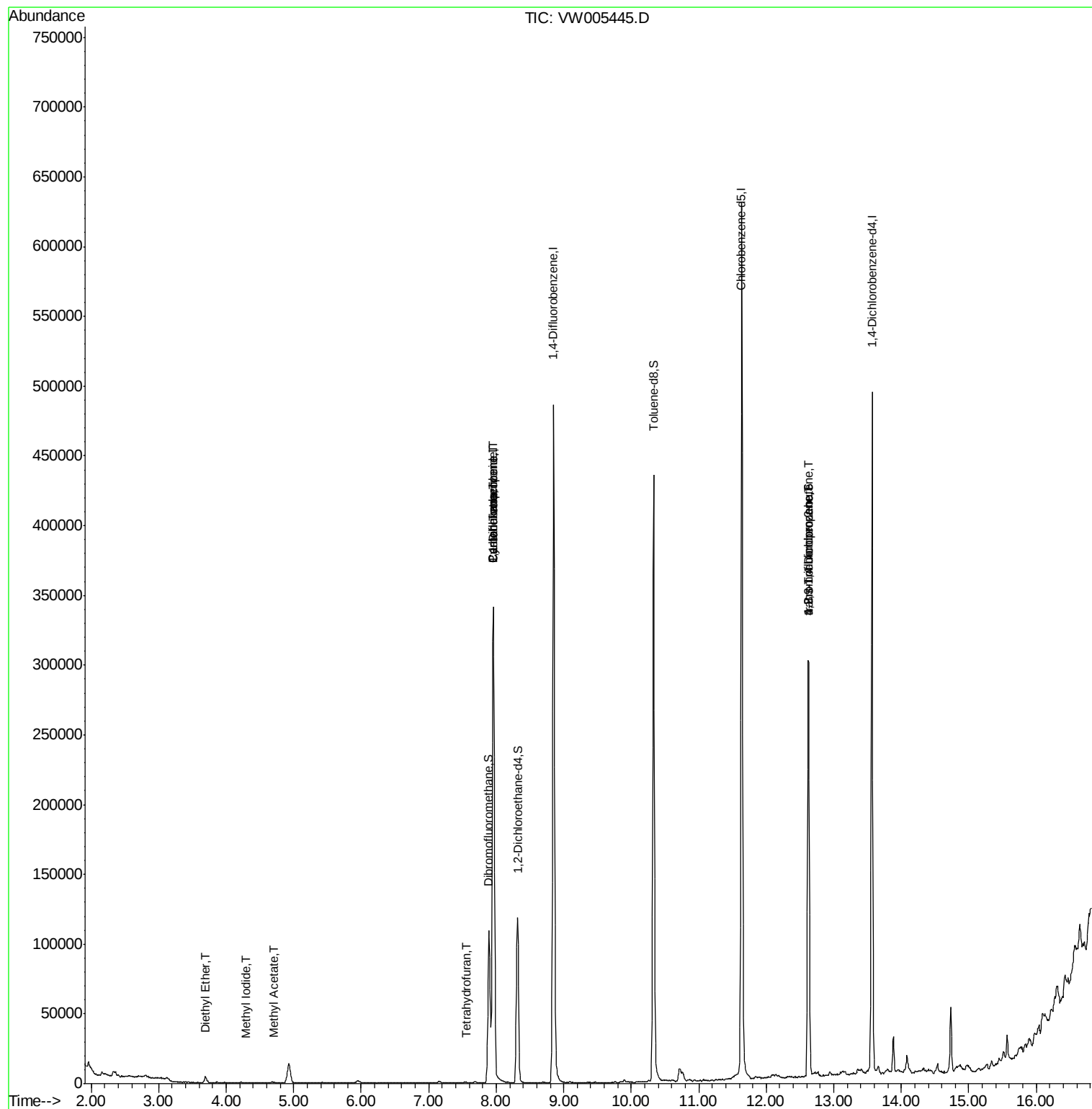
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	233	Below Cal		94
5) Bromomethane	2.78	94	391	Below Cal	#	53
8) Diethyl Ether	3.70	74	1994	1.810	ug/l	98
10) Methyl Iodide	4.29	142	20	4.058	ug/l #	38
11) Tert butyl alcohol	5.22	59	82	Below Cal	#	71
16) Acetone	4.15	43	361	Below Cal		90
18) Methyl Acetate	4.70	43	1539	1.219	ug/l #	59
20) Methylene Chloride	4.92	84	10456	Below Cal		96
29) Tetrahydrofuran	7.56	42	463	1.150	ug/l #	41
31) Cyclohexane	7.95	56	5603	1.337	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	20573	5.357	ug/l #	49
38) Carbon Tetrachloride	7.96	117	25087	6.268	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	51695	49.837	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51695	129.279	ug/l #	8

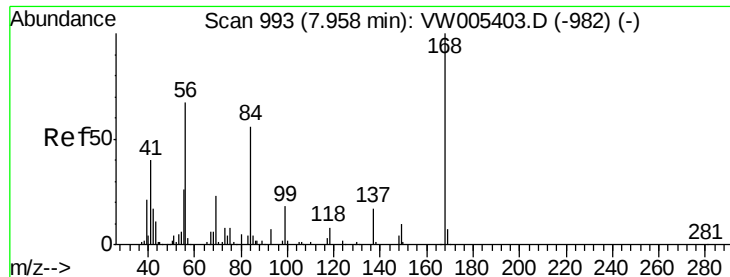
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

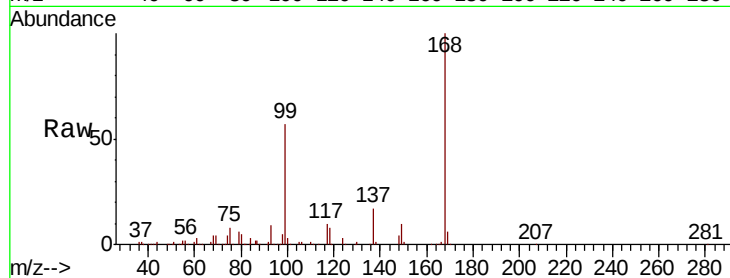
RB47199RT

Tgt Ion:168 Resp: 253013

Ion Ratio Lower Upper

168 100

99 57.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

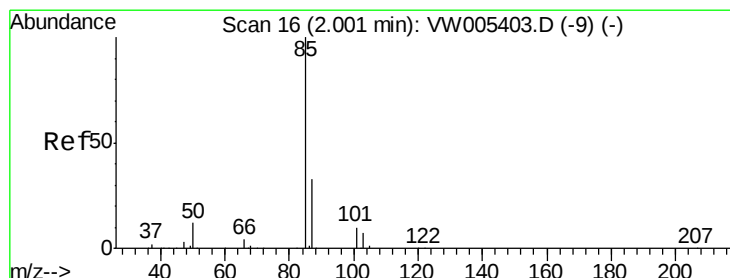
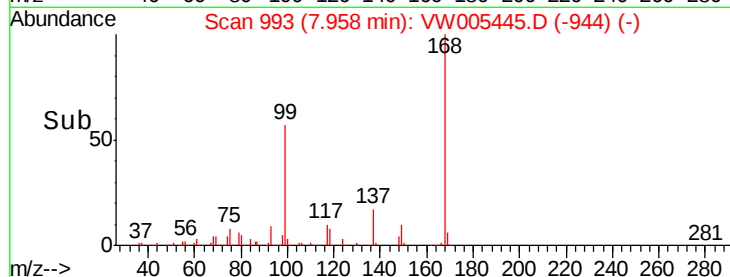
7.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005445.D

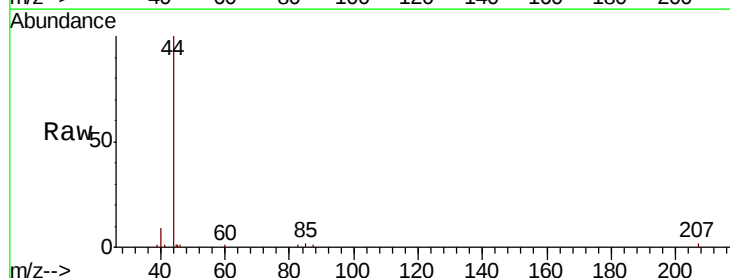
Acq: 17 Sep 2018 20:08

Tgt Ion: 85 Resp: 233

Ion Ratio Lower Upper

85 100

87 29.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200

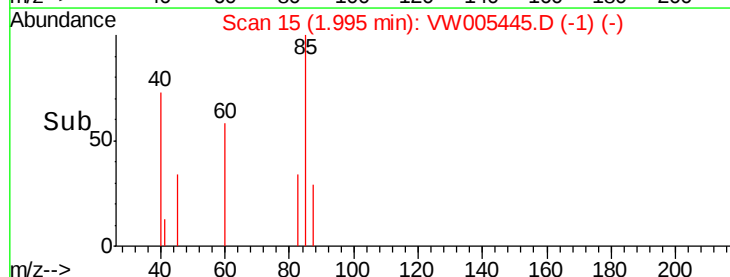
150

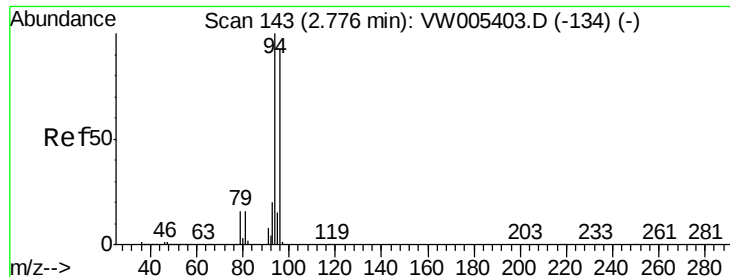
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampled :

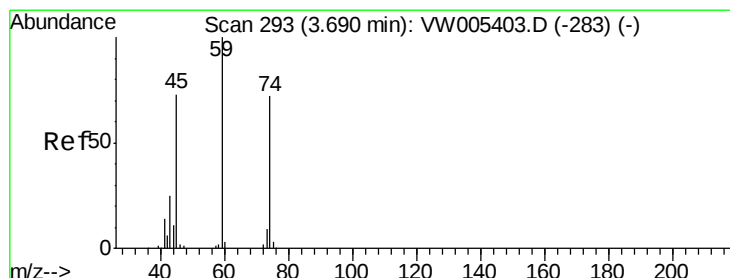
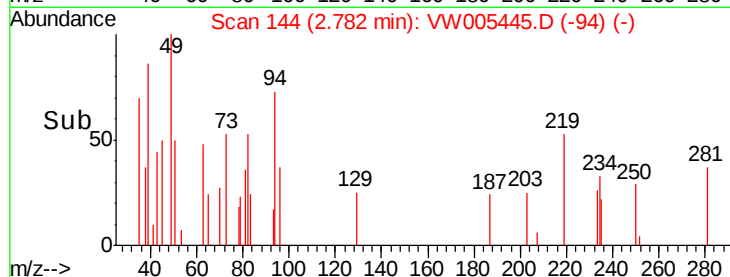
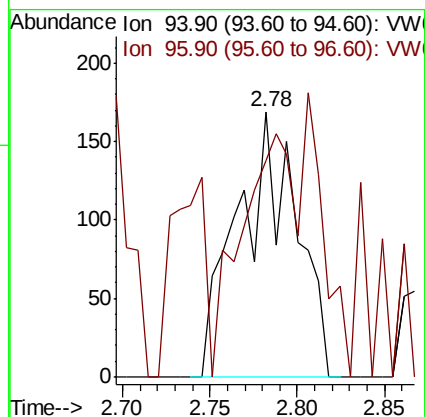
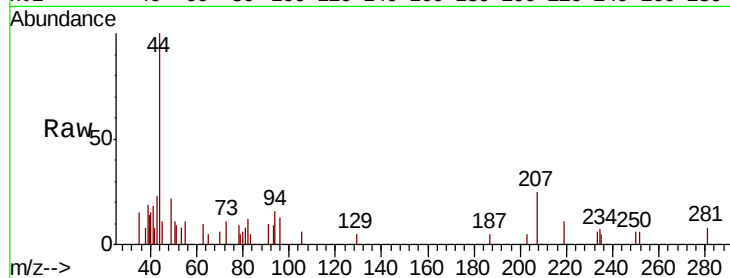
RB47199RT

Tgt Ion: 94 Resp: 391

Ion Ratio Lower Upper

94 100

96 47.3 73.7 110.5#



#8

Diethyl Ether

Concen: 1.810 ug/l

RT: 3.70 min Scan# 295

Delta R.T. 0.01 min

Lab File: VW005445.D

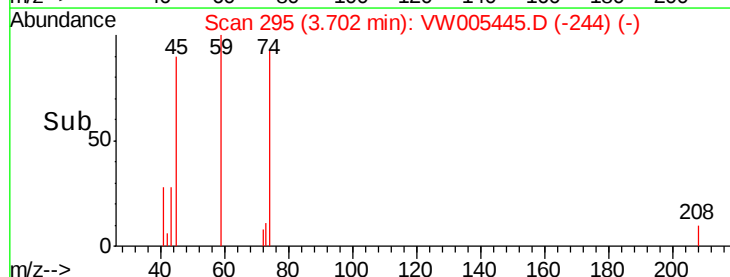
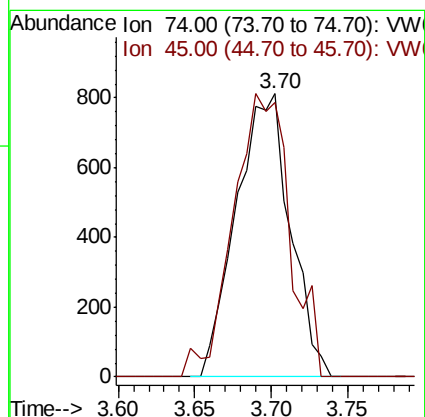
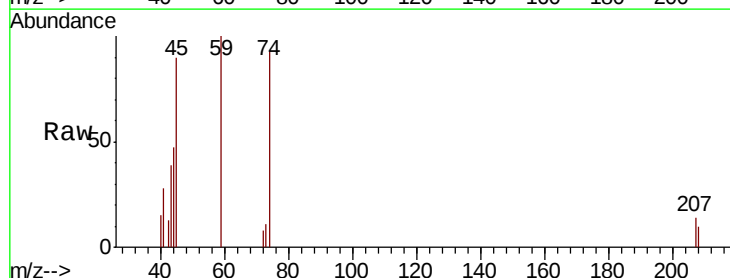
Acq: 17 Sep 2018 20:08

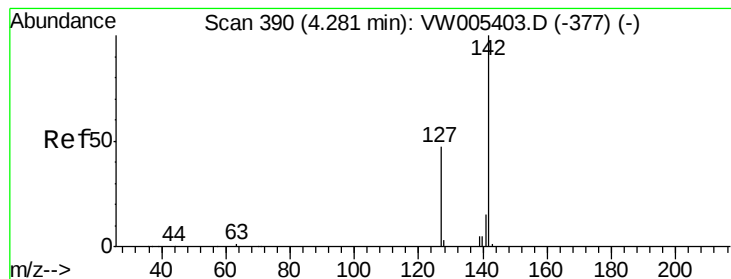
Tgt Ion: 74 Resp: 1994

Ion Ratio Lower Upper

74 100

45 104.5 53.1 159.3





#10

Methyl Iodide

Concen: 4.058 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

RB47199RT

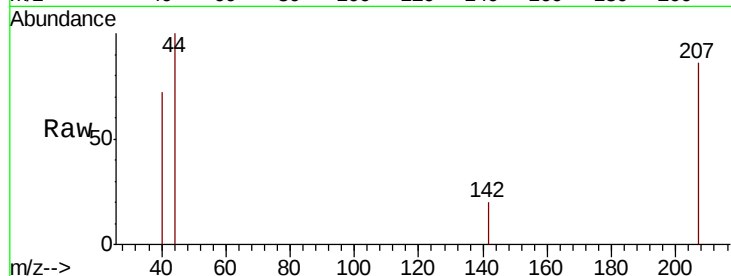
Tgt Ion: 142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

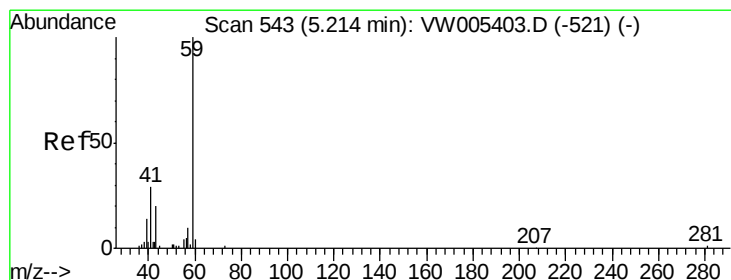
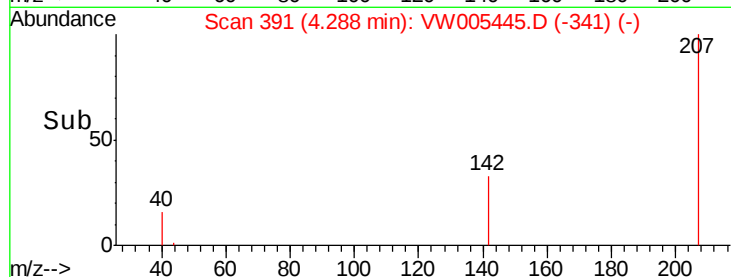
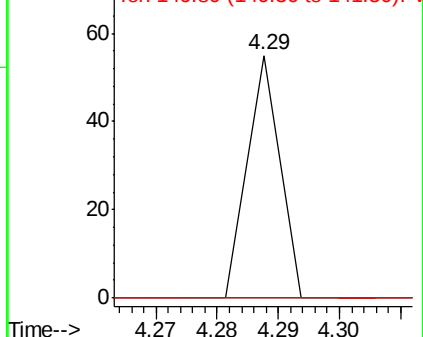
141 0.0 12.4 18.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.01 min

Lab File: VW005445.D

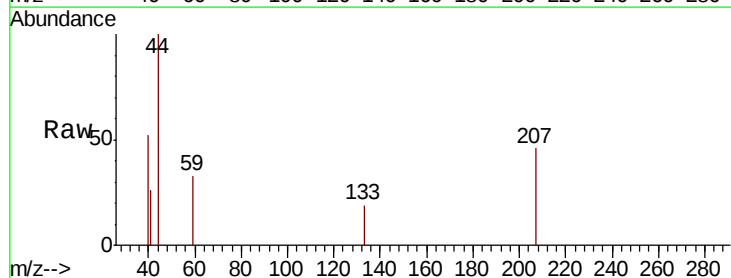
Acq: 17 Sep 2018 20:08

Tgt Ion: 59 Resp: 82

Ion Ratio Lower Upper

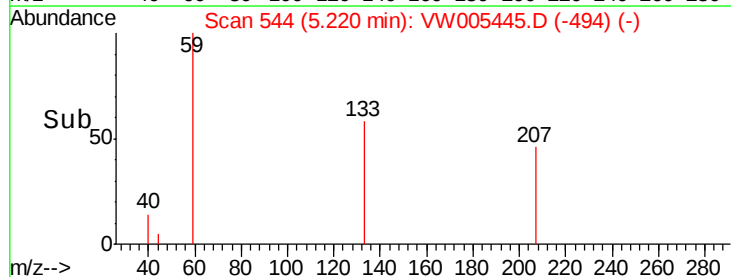
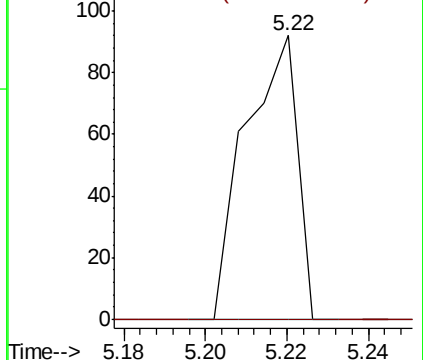
59 100

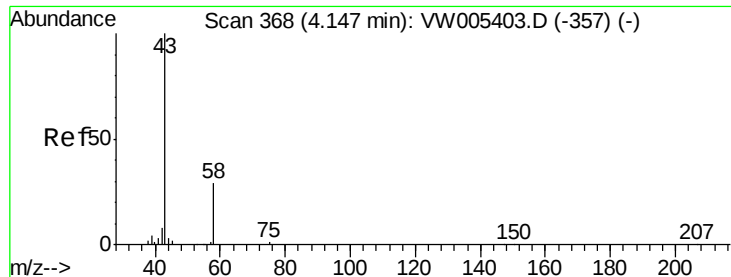
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampled :

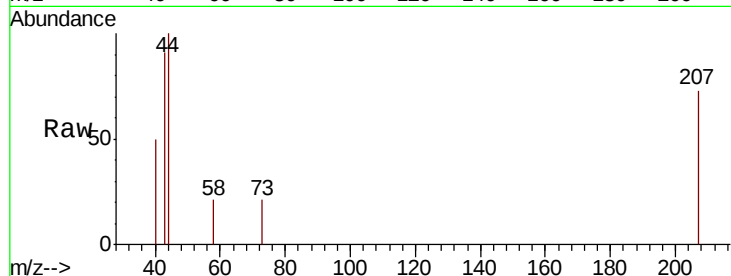
RB47199RT

Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

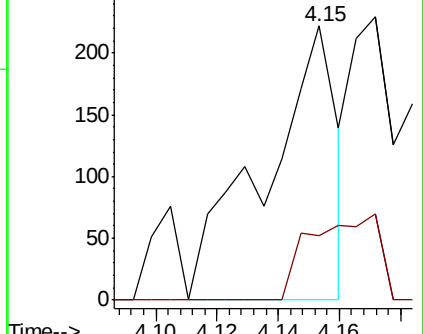
43 100

58 23.4 22.8 34.2

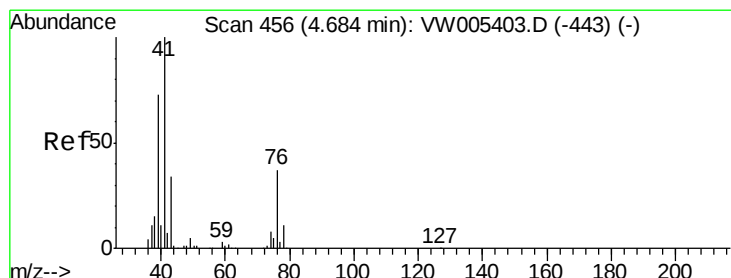
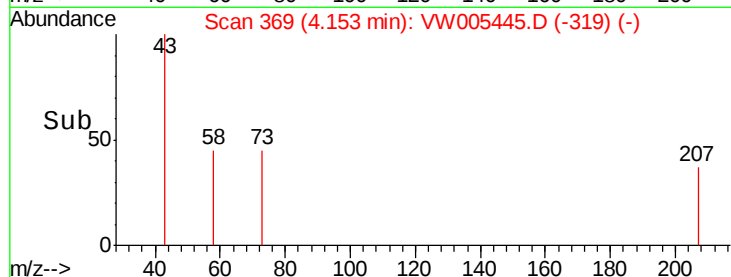


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#18

Methyl Acetate

Concen: 1.219 ug/l

RT: 4.70 min Scan# 459

Delta R.T. 0.02 min

Lab File: VW005445.D

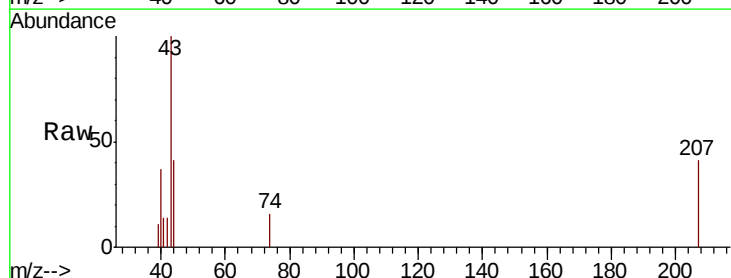
Acq: 17 Sep 2018 20:08

Tgt Ion: 43 Resp: 1539

Ion Ratio Lower Upper

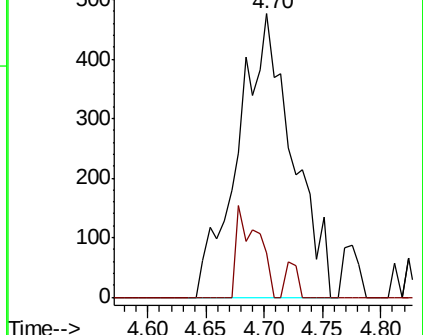
43 100

74 2.7 17.7 26.5#

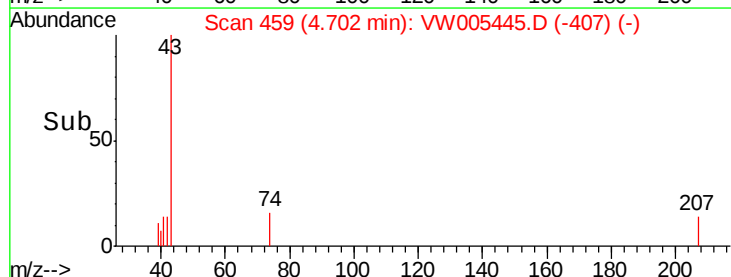


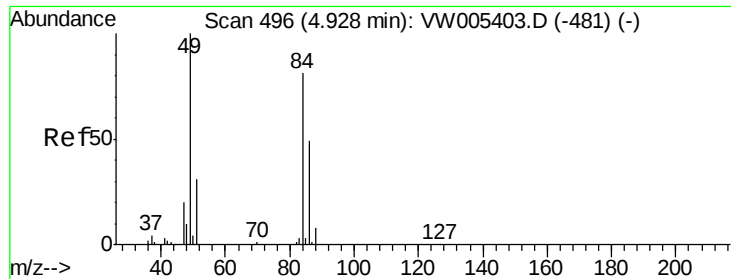
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



Time-->

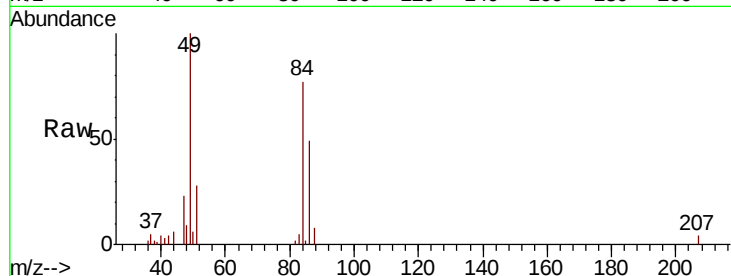




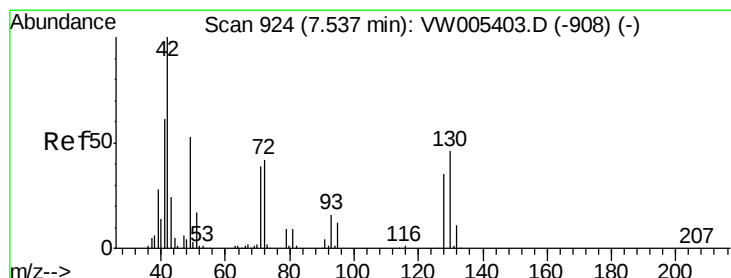
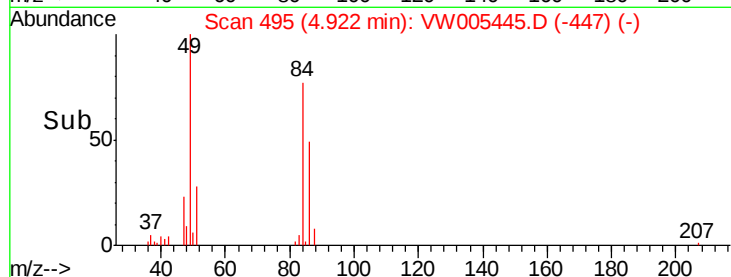
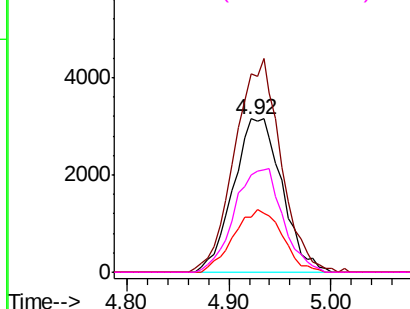
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005445.D
Acq: 17 Sep 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
RB47199RT

Tgt Ion:	84	Resp:	10456
Ion	Ratio	Lower	Upper
84	100		
49	129.7	99.3	148.9
51	36.3	31.1	46.7
86	63.4	49.1	73.7

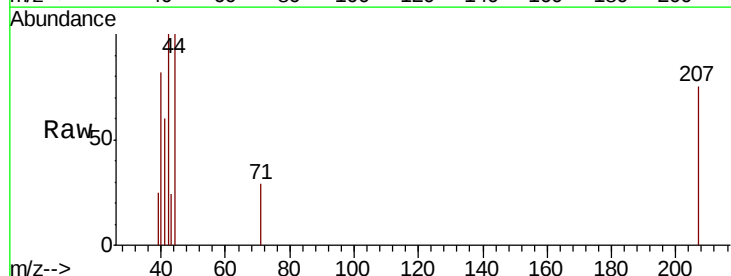


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

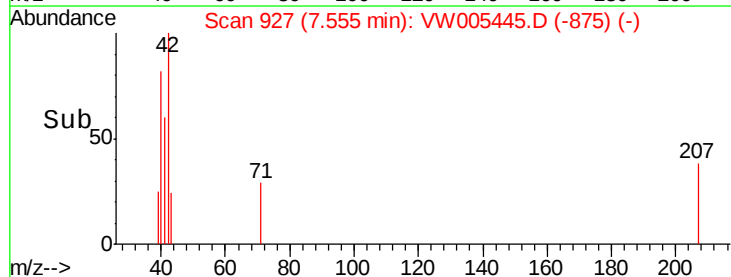
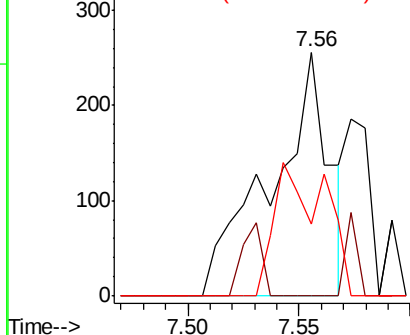


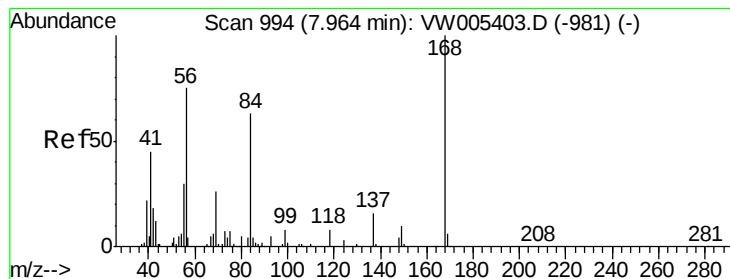
#29
Tetrahydrofuran
Concen: 1.150 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW005445.D
Acq: 17 Sep 2018 20:08

Tgt Ion:	42	Resp:	463
Ion	Ratio	Lower	Upper
42	100		
72	6.9	33.2	49.8#
71	0.0	31.0	46.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

RB47199RT

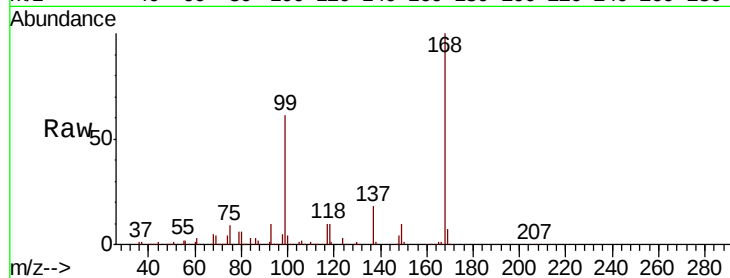
Tgt Ion: 56 Resp: 5603

Ion Ratio Lower Upper

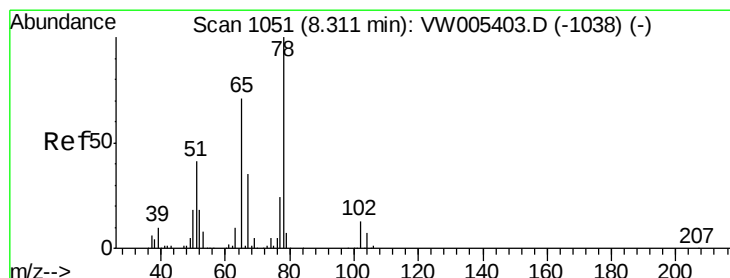
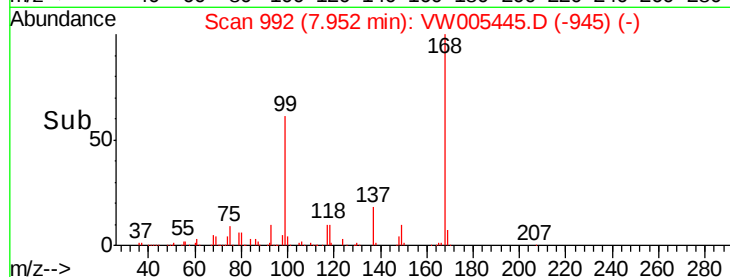
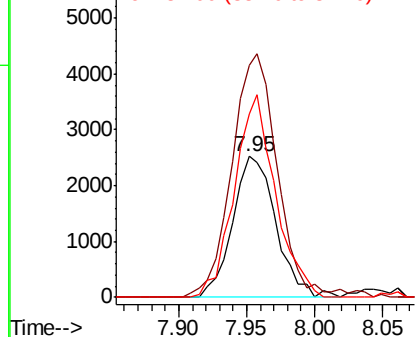
56 100

69 161.7 27.2 40.8#

84 129.9 66.7 100.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 37.388 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005445.D

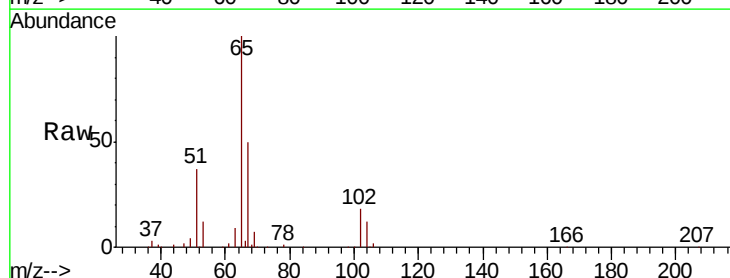
Acq: 17 Sep 2018 20:08

Tgt Ion: 65 Resp: 98193

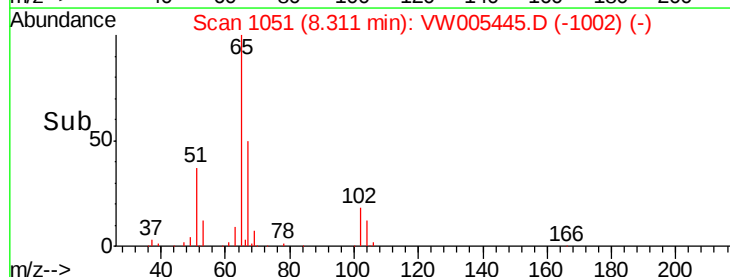
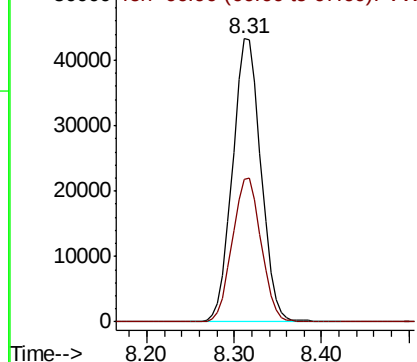
Ion Ratio Lower Upper

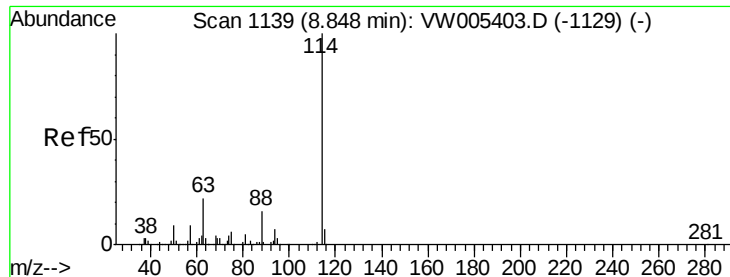
65 100

67 51.4 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

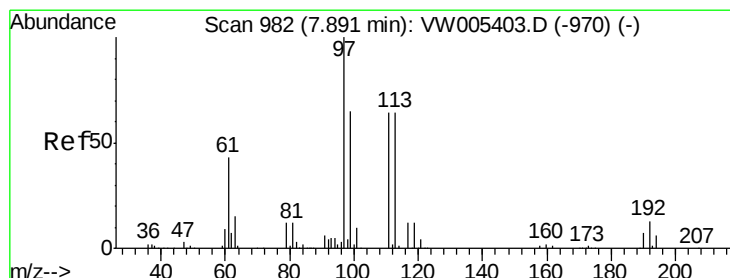
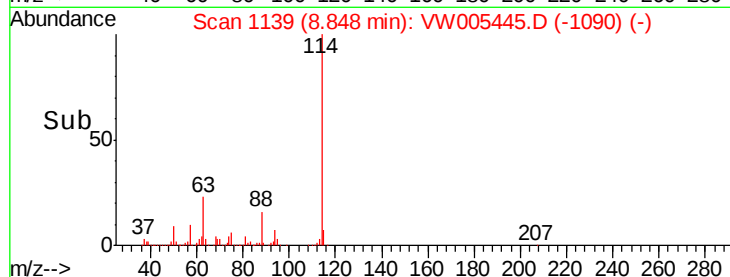
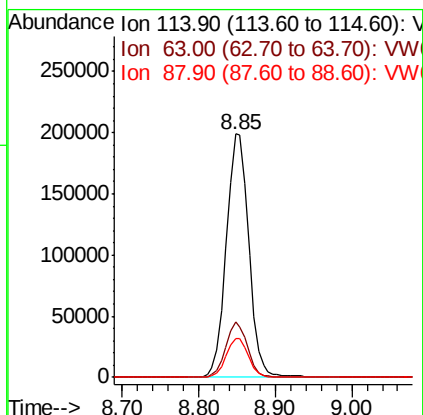
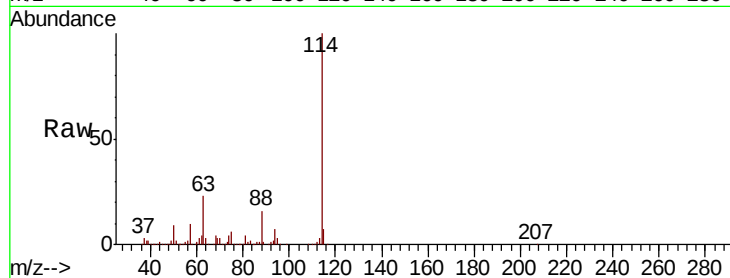




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005445.D
 Acq: 17 Sep 2018 20:08

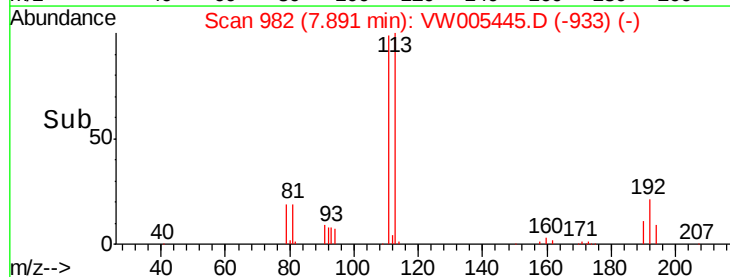
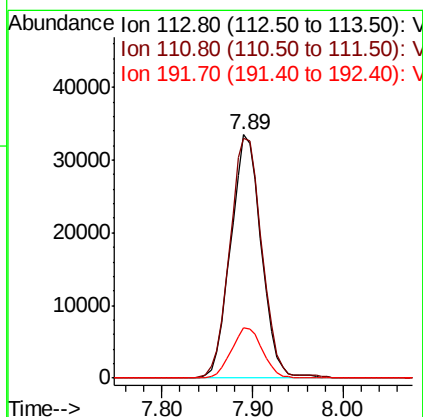
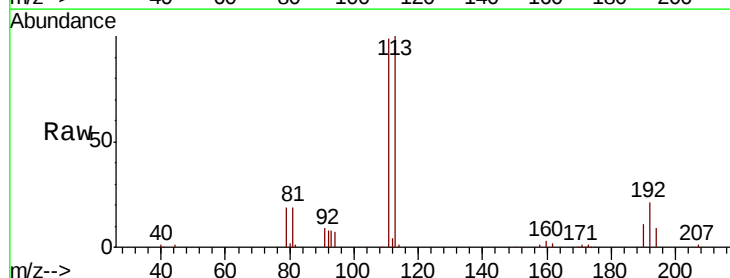
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47199RT

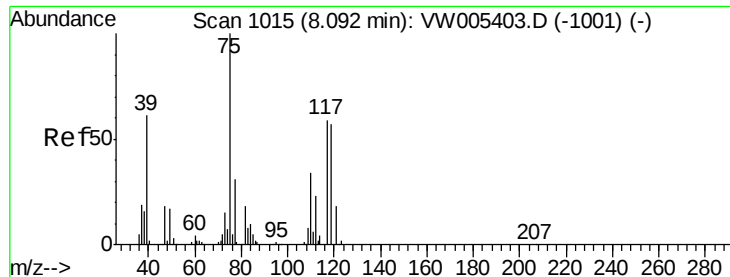
Tgt Ion:114 Resp: 405827
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.1 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 34.449 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005445.D
 Acq: 17 Sep 2018 20:08

Tgt Ion:113 Resp: 78385
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.3 123.5
 192 20.9 16.5 24.7





#36

1,1-Dichloropropene

Concen: 5.357 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

RB47199RT

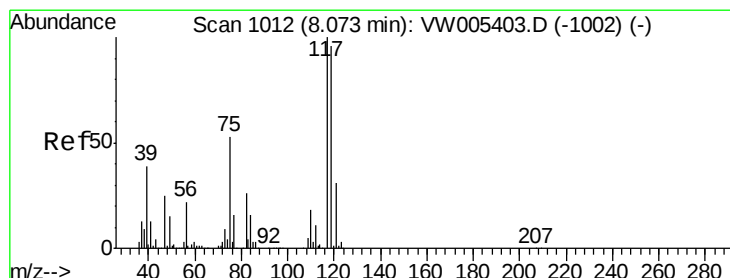
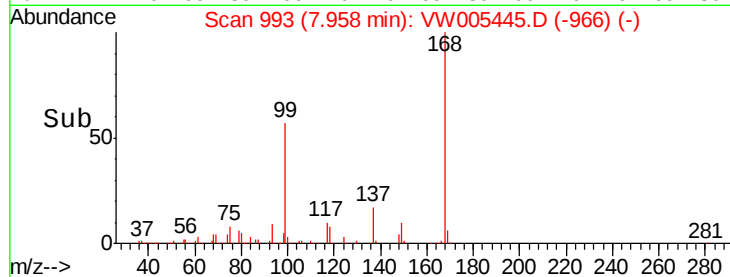
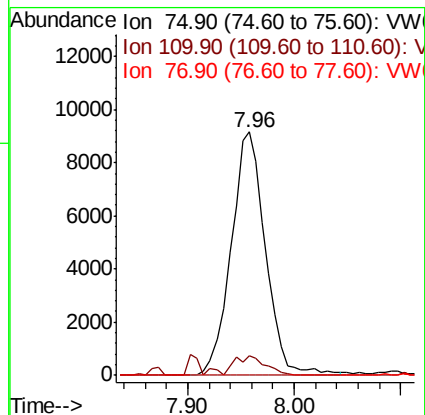
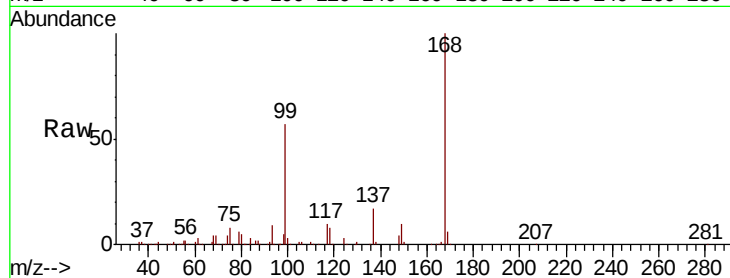
Tgt Ion: 75 Resp: 20573

Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

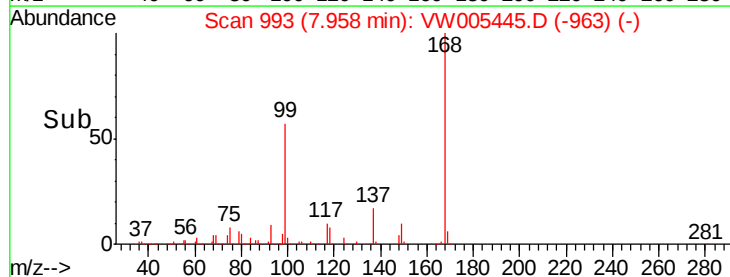
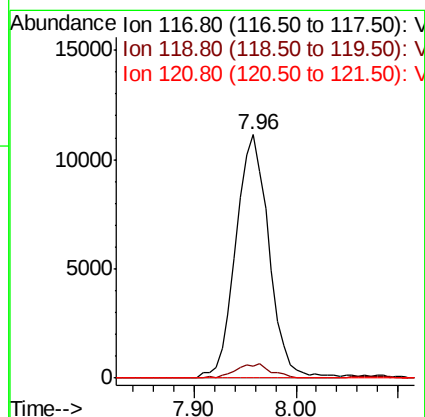
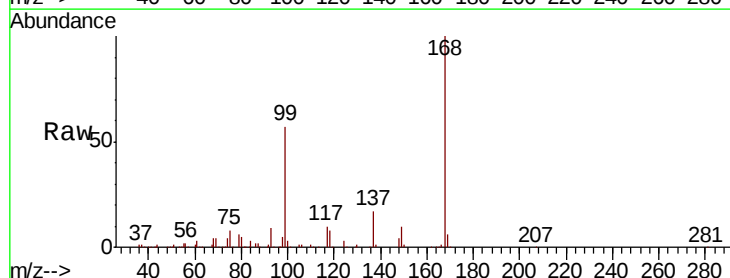
Tgt Ion: 117 Resp: 25087

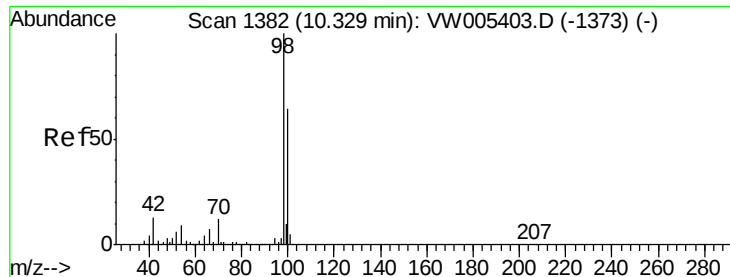
Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 28.126 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

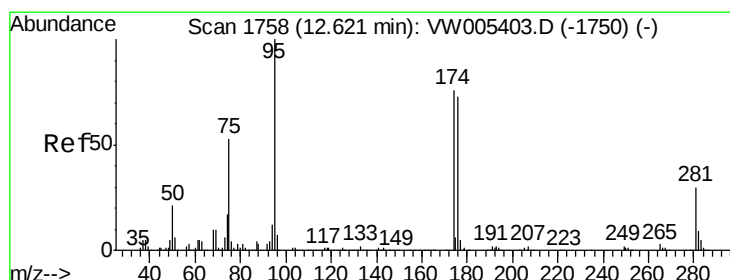
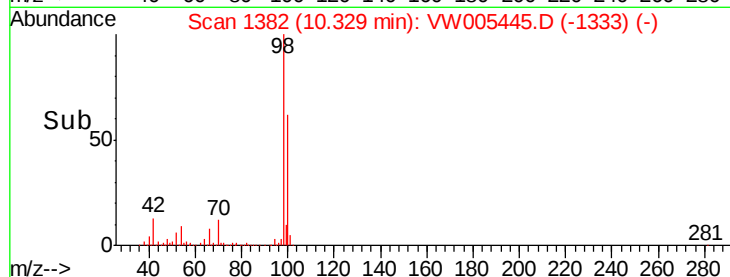
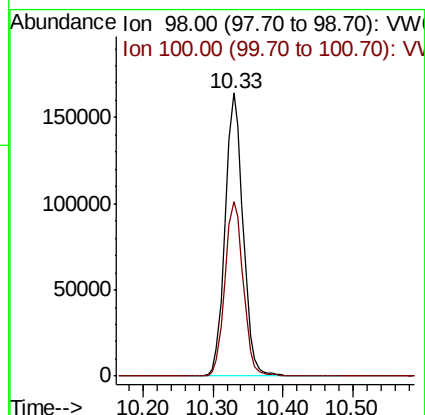
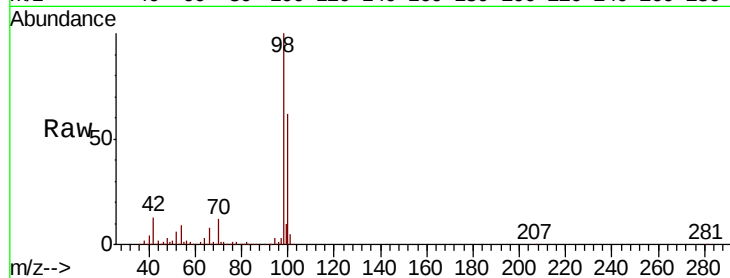
RB47199RT

Tgt Ion: 98 Resp: 293086

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 25.788 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

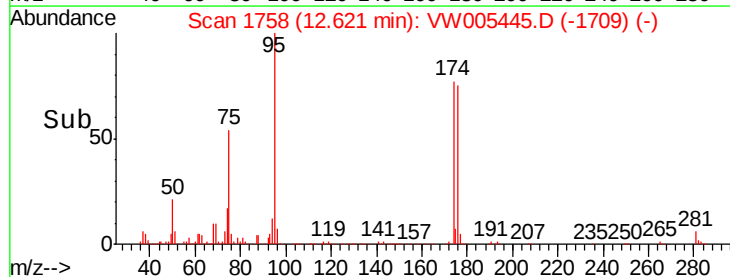
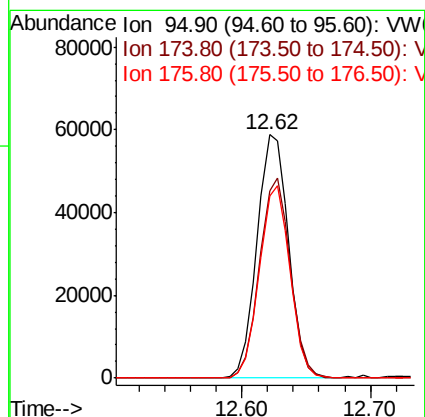
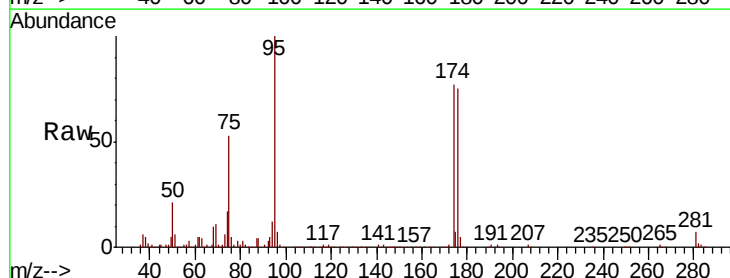
Tgt Ion: 95 Resp: 98533

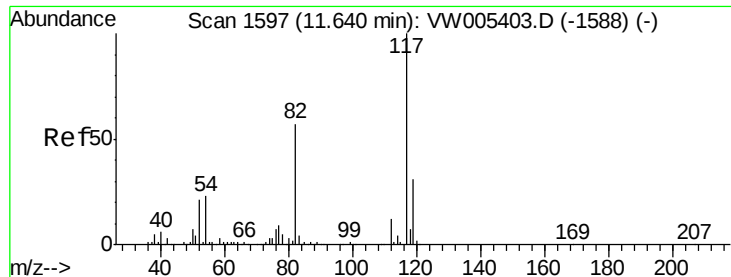
Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.2

176 77.3 0.0 156.6

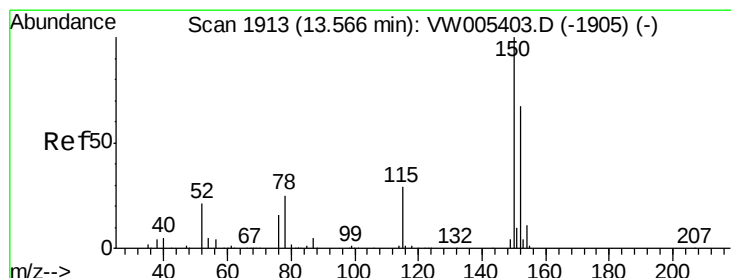
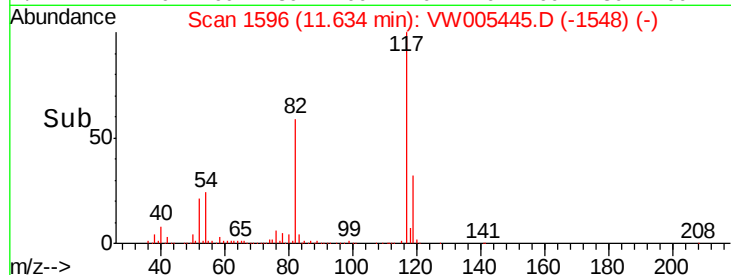
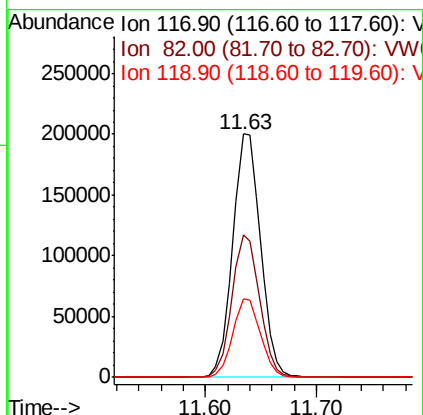
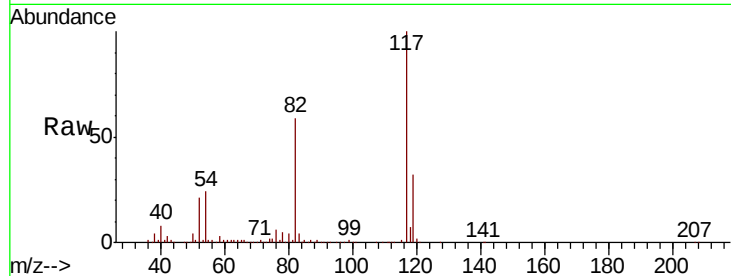




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005445.D
Acq: 17 Sep 2018 20:08

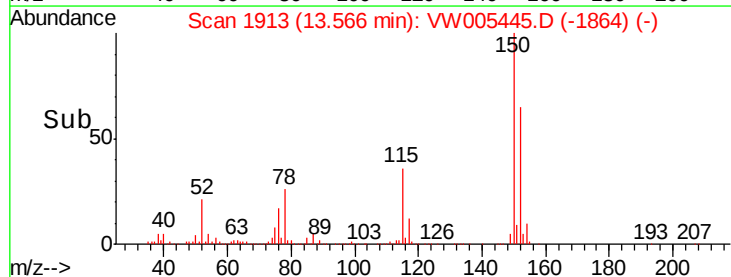
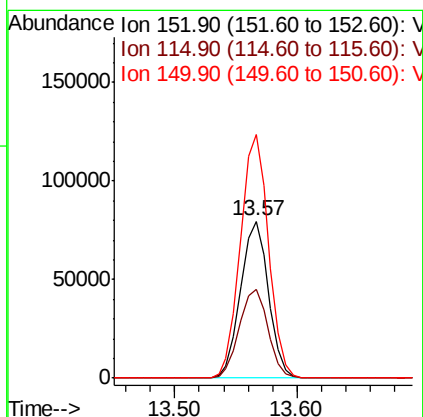
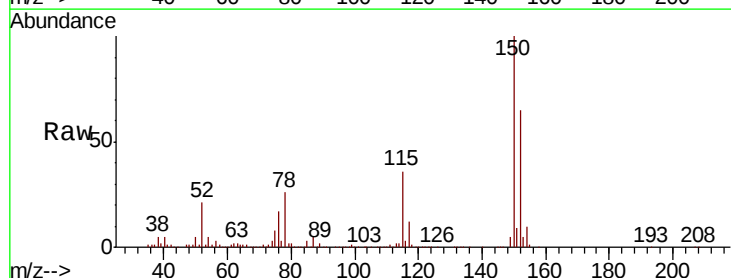
Instrument :
MSVOA_W
ClientSampleId :
RB47199RT

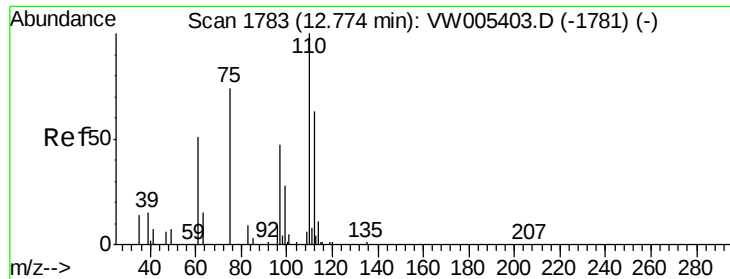
Tgt Ion:117 Resp: 348032
Ion Ratio Lower Upper
117 100
82 58.6 45.9 68.9
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005445.D
Acq: 17 Sep 2018 20:08

Tgt Ion:152 Resp: 126118
Ion Ratio Lower Upper
152 100
115 58.4 29.5 88.5
150 156.1 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 49.837 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

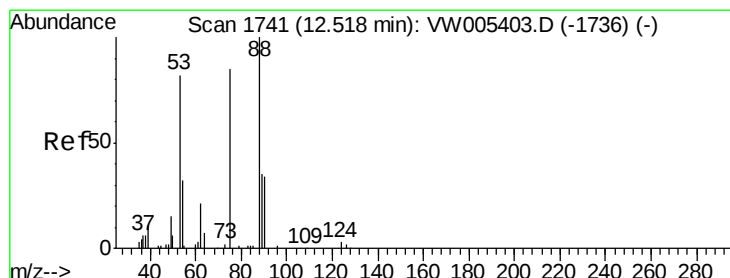
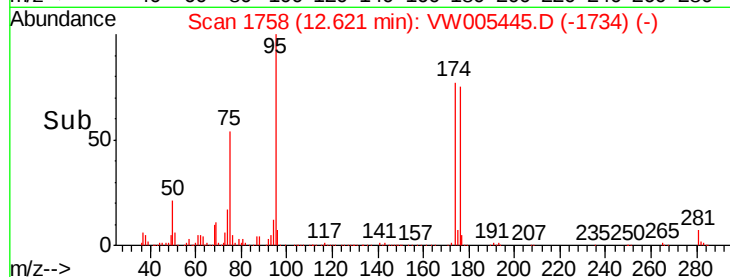
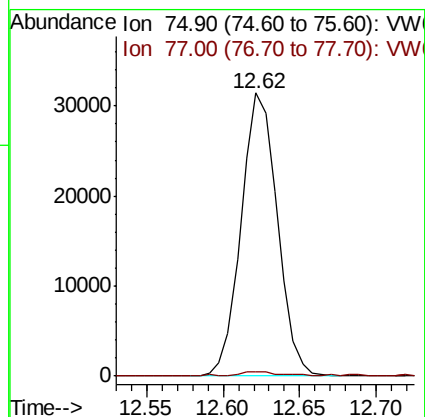
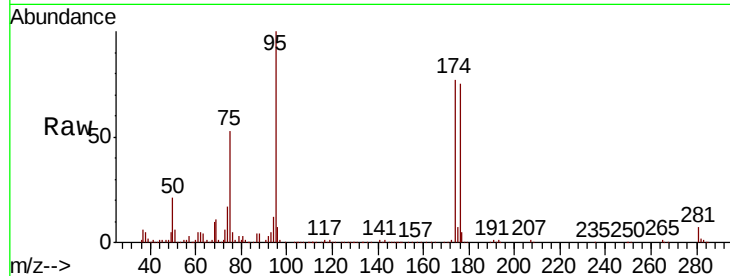
RB47199RT

Tgt Ion: 75 Resp: 51695

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.279 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005445.D

Acq: 17 Sep 2018 20:08

Tgt Ion: 75 Resp: 51695

Ion Ratio Lower Upper

75 100

53 0.3 83.2 124.8#

89 0.0 36.6 54.8#

